Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/27/2020 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124191	-1	1.79	124235	1.72
Blue	F	SSC	125000	124743	-1	1.70	125536	1.66
Blue	E	FITC	15892	15574	-3	2.75	340	19.81
Blue	D	PE	29999	29722	-1	1.93	649	14.73
Blue	B	PerCP-Cy5-5	43732	43787	0	3.62	1175	20.15
Blue	A	PE-Cy7	30845	31200	1	6.02	596	40.43
Red	C	APC	46112	45622	-2	2.51	1614	12.08
Red	A	APC-Cy7	30458	29982	-2	2.34	795	12.04
Violet	B	V450	7918	7533	-5	4.38	422	12.89
Violet	A	V500	32171	30638	-5	4.04	712	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17374	9.13	621	0	N/A	N/A	Pass
Blue	F	SSC	56874	1.18	561	2	N/A	N/A	Pass
Blue	E	FITC	63	62.06	543	0	0.0204	112	Pass
Blue	D	PE	136	49.42	549	1	0.1616	265	Pass
Blue	B	PerCP-Cy5-5	213	49.76	657	1	0.0093	59	Pass
Blue	A	PE-Cy7	108	102.18	700	2	0.0111	18	Pass
Red	C	APC	382	25.48	588	4	0.0249	175	Pass
Red	A	APC-Cy7	174	29.45	560	4	0.0055	1176	Pass
Violet	B	V450	65	60.23	460	2	0.0629	2704	Pass
Violet	A	V500	107	33.89	476	2	0.0239	844	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.36	-31.91	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.18	13.60 - 20.40	N/A	N/A	29.51	29.89	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10638

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments